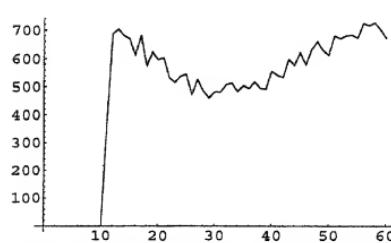
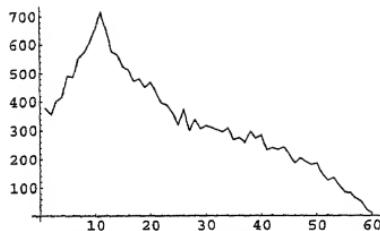


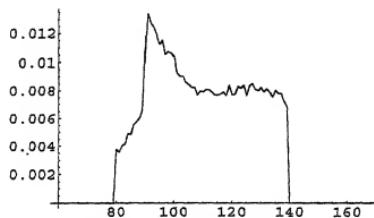
**Figure 1. Typical CZT Pixel Response to 140 keV Gamma rays**



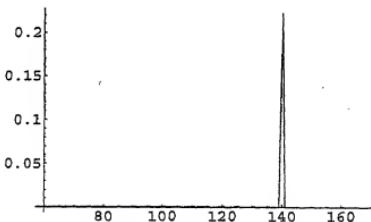
**Figure 2. Spectrum of Single Compton Scattered Gammas from 140 keV Source - Energy Range 80-140 keV**



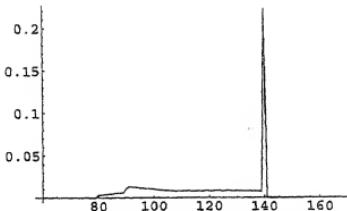
**Figure 3. Spectrum of Twice Compton Scattered Gammas from 140 keV Source - Energy Range 80-140 keV**



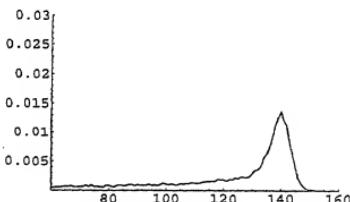
**Figure 4. Sum Scatter Spectrum from 140 keV Source - Energy Range 80-140 keV, Integral Normalized to 0.78**



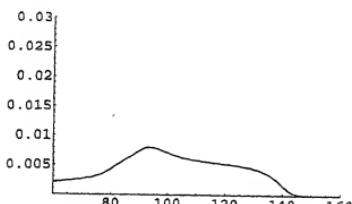
**Figure 5. Monoenergetic 140 keV Source Spectrum - Integral Normalized to 0.22**



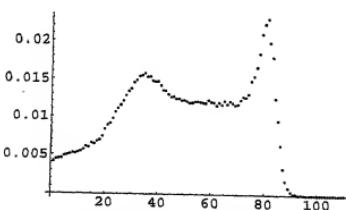
**Figure 6. Total Spectrum of Gammas Emanating from a 10 cm Diameter Water Sphere- Energy Range 80-140 keV, Integral Normalized to 1.0**



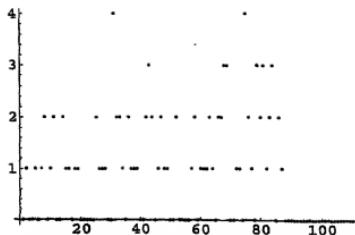
**Figure 7. Unscattered Gamma Spectrum in CZT Integral Arbitrarily Normalized to 30%**



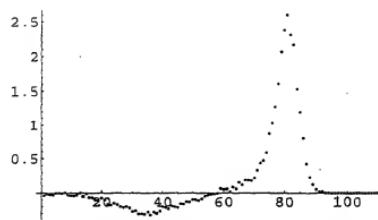
**Figure 8. Scattered Gamma Spectrum in CZT Integral Arbitrarily Normalized to 70%**



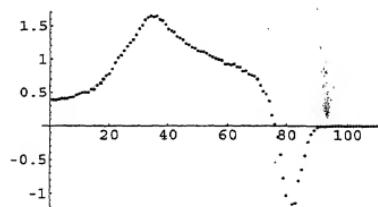
**Figure 9. Composite Spectrum in CZT**



**Figure 10. A Randomly Generated Spectrum of 100 Counts.**



**Figure 11. Plot of the Vector Corresponding to the Weights of the Unscattered Component**



**Figure 12. Plot of the Vector Corresponding to the Weights of the Scattered Component**

